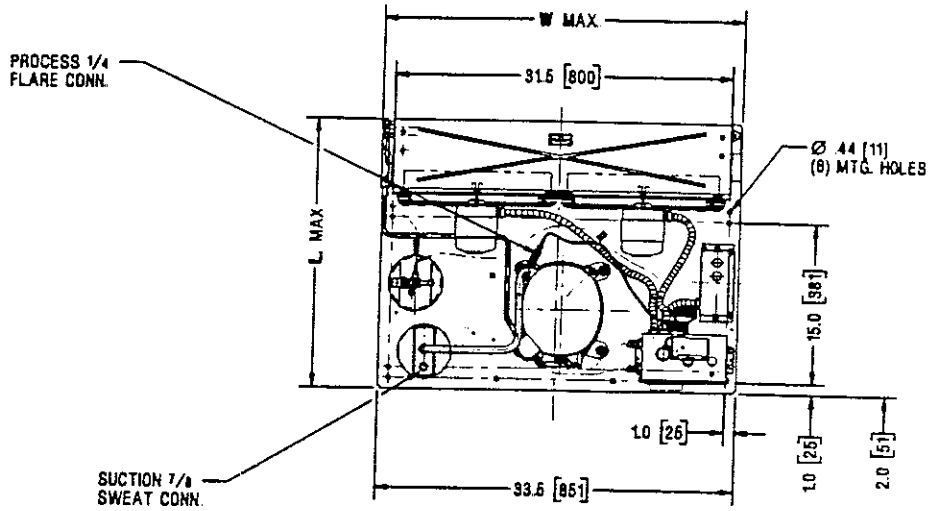
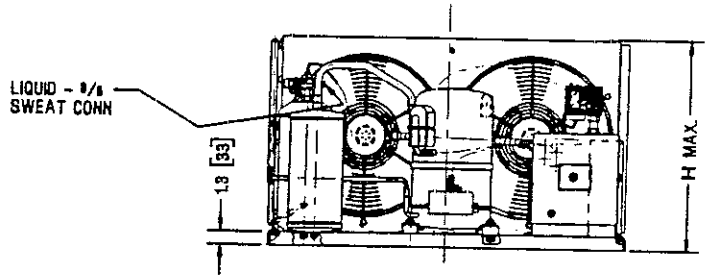
TECUMSEH HERMETIC
CONDENSING UNITS

Date: April 1, 1998

R22 2 1/2HP AIR COOLED AWG4530EXNXM



NOTE!
DIMENSIONING = INCHES [MILLIMETERS]



Model	Dimensions				*Line Connections		Pumpdown 90°F 90% full	AIR (cfm)	Oil Charge (oz.)	Gross Wt. (lbs.)
	L	W	H	CH	Suction	Liquid				
AWG4530EXNXM	25.0	33.6	19.5	15.6	7/8 S	3/8 S	8.4#	1549	38	180

*F=Flare, S=Solder, RF or RS = Rotolock with Flare or Solder Connections
Factory Charge: 20 psig nitrogen - MUST BE EVACUATED

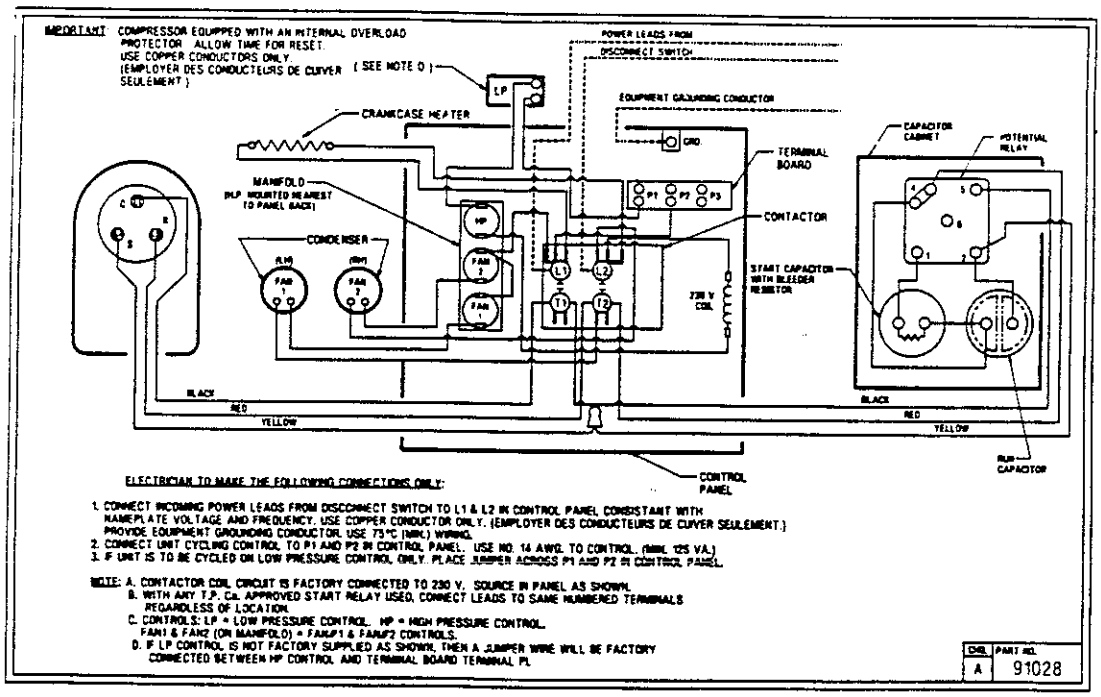
60 Hertz Performance

Approved Evap Range		Ambient											
		80°F			90°F			100°F			110°F		
F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	43.0	20241	2551	196	18626	2619	225	16936	2691	255	15309	2767	289
25	48.7	22557	2650	203	20789	2747	232	18967	2832	263	17163	2921	297
30	54.8	24980	2758	210	23046	2881	240	21104	2977	271	19117	3081	306
35	61.4	27510	2876	218	25398	3020	248	23346	3126	280	21174	3245	316
40	68.5	30149	3003	226	27845	3165	257	25693	3278	289	23332	3414	326
45	76.0	32895	3139	235	30387	3315	268	28146	3435	299	25591	3588	336
50	84.0	35748	3285	245	33023	3470	278	30703	3595	309	27952	3767	347
55	92.6	38709	3440	255	35755	3630	290	33366	3758	320	30414	3950	359

Based on 65°F Return Gas, 5°F Subcooling

Date: 4-1-98

SPECIFICATIONS	AWG4530EXNXM
Nominal Voltage	230/208-60-1
Unit B/M	2C2106-9
Voltage Range	253 to 197
Min. Circuit Ampacity	19.5
Max. Fuse Size (Amps)	35.0
Compressor Model	AWG5530EXN
Bill of Material	AW707ET-099
RLA/LRA	14.4/90.0
Fan RLA	1.40
ESP Overload	INTERNAL
ESP Relay	P82965
Cap. Cab. Assy.	AE1397-006
Start Cap.	85PS330D17
Rating	145-175/330V
Run Cap.	85PR370F21
Rating	45/370V
Fan Motor	TFM502
Pressure Controls	High 84095-1, Low 84026-5
Contactor	91017 (25 AMP 230V COIL)
Crankcase Heater	91022-1
Fan Controls (2 Req)	84096-1 (Fan #1), 84096-2 (Fan #2)
Control Panel Assy.	AC1391-2 (230V COIL)
Fan Blade (2 Req)	51556
Receiver Tank	51081-1
Shroud	70648-2
Rec. Tank RL Valve	31581 (3/8"S)
Condenser	K42-17
Accumulator	TK00042000
Fan Guard (2 Req)	70831
Unit Drawing	SU1918-1
Schematic or Elect. Dwg.	91028


IMPORTANT: COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.)
(SEE NOTE D)
POWER LEADS FROM DISCONNECT SWITCH
EQUIPMENT GROUNDING CONDUCTOR
GRD
LP
CRANKCASE HEATER
MANIFOLD
(M.P. MOUNTED NEAREST TO PANEL BACK)
CONDENSER
(LH)
(RH)
FAN 1
FAN 2
HP
P1
P2
P3
TERMINAL BOARD
CONTACTOR
L1
L2
T1
T2
230 V COIL
CAPACITOR CABINET
POTENTIAL RELAY
START CAPACITOR WITH BLEEDER RESISTOR
RUN CAPACITOR
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 & L2 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO. 14 AWG. TO CONTROL. (MIN. 125 VA.)
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. WITH ANY T.P. Co. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
C. CONTROLS: LP = LOW PRESSURE CONTROL. HP = HIGH PRESSURE CONTROL. FAN1 & FAN2 (ON MANIFOLD) = FANP1 & FANP2 CONTROLS.
D. IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG. A
PART NO. 91028

U.L. Listed ---------- File #SA2372 ---------- Card Guide #SGYU
CSA Certified ---------- Canadian File #12964C ---------- USA File #8873C